

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/541,886
Source: ITWP
Date Processed by STIC: 9/6/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _____

CRF Edit Date: _____

Edited by: _____

_____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

_____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

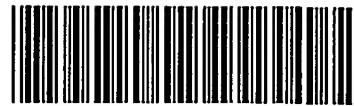
 Deleted: _____ invalid beginning/end-of-file text ; _____ page numbers

_____ Inserted mandatory headings/numeric identifiers, specifically:

_____ Moved responses to same line as heading/numeric identifier, specifically:

 Other:

inserted spacing & indentation
For seq id # 1.



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/541,886

DATE: 09/06/2006
TIME: 14:40:37

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09052006\J541886.raw

2 <110> APPLICANT: Bayer AG, BHC
 W--> 3 <120> TITLE OF INVENTION: Method for inhibiting the replication of
 herpesviruses
 W--> 4 <130> FILE REFERENCE: Le A 36 269
 C--> 5 <140> CURRENT APPLICATION NUMBER: US/10/541,886
 C--> 5 <141> CURRENT FILING DATE: 2005-07-07
 W--> 5 <160> NUMBER OF SEQ ID: 1
 6 <170> SOFTWARE: PatentIn version 3.1
 W--> 7 <210> SEQ ID NO: 1
 8 <211> LENGTH: 1370
 9 <212> TYPE: PRT
 10 <213> ORGANISM: Human cytomegalovirus
 W--> 11 <400> SEQUENCE: 1
 12 Met Glu Asn Trp Ser Ala Leu Glu Leu Leu Pro Lys Val Gly Ile Pro
 13 1 5 10 15
 14 Thr Asp Phe Leu Thr His Val Lys Thr Ser Ala Gly Glu Met Phe
 15 20 25 30
 16 Glu Ala Leu Arg Ile Tyr Tyr Gly Asp Asp Pro Glu Arg Tyr Asn Ile
 17 35 40 45
 18 His Phe Glu Ala Ile Phe Gly Thr Phe Cys Asn Arg Leu Glu Trp Val
 19 50 55 60
 20 Tyr Phe Leu Thr Ser Gly Leu Ala Ala Ala Ala His Ala Ile Lys Phe
 21 65 70 75 80
 22 His Asp Leu Asn Lys Leu Thr Thr Gly Lys Met Leu Phe His Val Gln
 23 85 90 95
 24 Val Pro Arg Val Ala Ser Gly Ala Gly Leu Pro Thr Ser Arg Gln Thr
 25 100 105 110
 26 Thr Ile Met Val Thr Lys Tyr Ser Glu Lys Ser Pro Ile Thr Ile Pro
 27 115 120 125
 28 Phe Glu Leu Ser Ala Ala Cys Leu Thr Tyr Leu Arg Glu Thr Phe Glu
 29 130 135 140
 30 Gly Thr Ile Leu Asp Lys Ile Leu Asn Val Glu Ala Met His Thr Val
 31 145 150 155 160
 32 Leu Arg Ala Leu Lys Asn Thr Ala Asp Ala Met Glu Arg Gly Leu Ile
 33 165 170 175
 34 His Ser Phe Leu Gln Thr Leu Leu Arg Lys Ala Pro Pro Tyr Phe Val
 35 180 185 190
 36 Val Gln Thr Leu Val Glu Asn Ala Thr Leu Ala Arg Gln Ala Leu Asn
 37 195 200 205
 38 Arg Ile Gln Arg Ser Asn Ile Leu Gln Ser Phe Lys Ala Lys Met Leu
 39 210 215 220
 40 Ala Thr Leu Phe Leu Leu Asn Arg Thr Arg Asp Arg Asp Tyr Val Leu
 41 225 230 235 240
 42 Lys Phe Leu Thr Arg Leu Ala Glu Ala Ala Thr Asp Ser Ile Leu Asp

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Input Set : A:\PTO.KD.txt
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43	245	250	255
44	Asn Pro Thr Thr Tyr Thr Ser Ser Gly Ala Lys Ile Ser Gly Val		
45	260	265	270
46	Met Val Ser Thr Ala Asn Val Met Gln Ile Ile Met Ser Leu Leu Ser		
47	275	280	285
48	Ser His Ile Thr Lys Glu Thr Val Ser Ala Pro Ala Thr Tyr Gly Asn		
49	290	295	300
50	Phe Val Leu Ser Pro Glu Asn Ala Val Thr Ala Ile Ser Tyr His Ser		
51	305	310	315
52	Ile Leu Ala Asp Phe Asn Ser Tyr Lys Ala His Leu Thr Ser Gly Gln		
53	325	330	335
54	Pro His Leu Pro Asn Asp Ser Leu Ser Gln Ala Gly Ala His Ser Leu		
55	340	345	350
56	Thr Pro Leu Ser Met Asp Val Ile Arg Leu Gly Glu Lys Thr Val Ile		
57	355	360	365
58	Met Glu Asn Leu Arg Arg Val Tyr Lys Asn Thr Asp Thr Lys Asp Pro		
59	370	375	380
60	Leu Glu Arg Asn Val Asp Leu Thr Phe Phe Pro Val Gly Leu Tyr		
61	385	390	395
62	Leu Pro Glu Asp Arg Gly Tyr Thr Thr Val Glu Ser Lys Val Lys Leu		
63	405	410	415
64	Asn Asp Thr Val Arg Asn Ala Leu Pro Thr Thr Ala Tyr Leu Leu Asn		
65	420	425	430
66	Arg Asp Arg Ala Val Gln Lys Ile Asp Phe Val Asp Ala Leu Lys Thr		
67	435	440	445
68	Leu Cys His Pro Val Leu His Glu Pro Ala Pro Cys Leu Gln Thr Phe		
69	450	455	460
70	Thr Glu Arg Gly Pro Pro Ser Glu Pro Ala Met Gln Arg Leu Leu Glu		
71	465	470	475
72	Cys Arg Phe Gln Gln Glu Pro Met Gly Gly Ala Ala Arg Arg Ile Pro		
73	485	490	495
74	His Phe Tyr Arg Val Arg Arg Glu Val Pro Arg Thr Val Asn Glu Met		
75	500	505	510
76	Lys Gln Asp Phe Val Val Thr Asp Phe Tyr Lys Val Gly Asn Ile Thr		
77	515	520	525
78	Leu Tyr Thr Glu Leu His Pro Phe Asp Phe Thr His Cys Gln Glu		
79	530	535	540
80	Asn Ser Glu Thr Val Ala Leu Cys Thr Pro Arg Ile Val Ile Gly Asn		
81	545	550	555
82	Leu Pro Asp Gly Leu Ala Pro Gly Pro Phe His Glu Leu Arg Thr Trp		
83	565	570	575
84	Glu Ile Met Glu His Met Arg Leu Arg Pro Pro Pro Asp Tyr Glu Glu		
85	580	585	590
86	Thr Leu Arg Leu Phe Lys Thr Thr Val Thr Ser Pro Asn Tyr Pro Glu		
87	595	600	605
88	Leu Cys Tyr Leu Val Asp Val Leu Val His Gly Asn Val Asp Ala Phe		
89	610	615	620
90	Leu Leu Ile Arg Thr Phe Val Ala Arg Cys Ile Val Asn Met Phe His		
91	625	630	635
			640

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Input Set : A:\PTO.KD.txt
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92 Thr Arg Gln Leu Leu Val Phe Ala His Ser Tyr Ala Leu Val Thr Leu
93 645 650 655
94 Ile Ala Glu His Leu Ala Asp Gly Ala Leu Pro Pro Gln Leu Leu Phe
95 660 665 670
96 His Tyr Arg Asn Leu Val Ala Val Leu Arg Leu Val Thr Arg Ile Ser
97 675 680 685
98 Ala Leu Pro Gly Leu Asn Asn Gly Gln Leu Ala Glu Glu Pro Leu Ser
99 690 695 700
100 Ala Tyr Val Asn Ala Leu His Asp His Arg Leu Trp Pro Pro Phe Val
101 705 710 715 720
102 Thr His Leu Pro Arg Asn Met Glu Gly Val Gln Val Val Ala Asp Arg
103 725 730 735
104 Gln Pro Leu Asn Pro Ala Asn Ile Glu Ala Arg His His Gly Val Ser
105 740 745 750
106 Asp Val Pro Arg Leu Gly Ala Met Asp Ala Asp Glu Pro Leu Phe Val
107 755 760 765
108 Asp Asp Tyr Arg Ala Thr Asp Asp Glu Trp Thr Leu Gln Lys Val Phe
109 770 775 780
110 Tyr Leu Cys Leu Met Pro Ala Met Thr Asn Asn Arg Ala Cys Gly Leu
111 785 790 795 800
112 Gly Leu Asn Leu Lys Thr Leu Leu Val Asp Leu Phe Tyr Arg Pro Ala
113 805 810 815
114 Phe Leu Leu Met Pro Ala Ala Thr Ala Val Ser Thr Ser Gly Thr Thr
115 820 825 830
116 Ser Lys Glu Ser Thr Ser Gly Val Thr Pro Glu Asp Ser Ile Ala Ala
117 835 840 845
118 Gln Arg Gln Ala Val Gly Glu Met Leu Thr Glu Leu Val Glu Asp Val
119 850 855 860
120 Ala Thr Asp Ala His Thr Pro Leu Leu Gln Ala Cys Arg Glu Leu Phe
121 865 870 875 880
122 Leu Ala Val Gln Phe Val Gly Glu His Val Lys Val Leu Glu Val Arg
123 885 890 895
124 Ala Pro Leu Asp His Ala Gln Arg Gln Gly Leu Pro Asp Phe Ile Ser
125 900 905 910
126 Arg Gln His Val Leu Tyr Asn Gly Cys Cys Val Val Thr Ala Pro Lys
127 915 920 925
128 Thr Leu Ile Glu Tyr Ser Leu Pro Val Pro Phe His Arg Phe Tyr Ser
129 930 935 940
130 Asn Pro Thr Ile Cys Ala Ala Leu Ser Asp Asp Ile Lys Arg Tyr Val
131 945 950 955 960
132 Thr Glu Phe Pro His Tyr His Arg His Asp Gly Gly Phe Pro Leu Pro
133 965 970 975
134 Thr Ala Phe Ala His Glu Tyr His Asn Trp Leu Arg Ser Pro Phe Ser
135 980 985 990
136 Arg Tyr Ser Ala Thr Cys Pro Asn Val Leu His Ser Val Met Thr Leu
137 995 1000 1005
138 Ala Ala Met Leu Tyr Lys Ile Ser Pro Val Ser Leu Val Leu Gln
139 1010 1015 1020
140 Thr Lys Ala His Ile His Pro Gly Phe Ala Leu Thr Ala Val Arg

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Input Set : A:\PTO.KD.txt
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141	1025	1030	1035
142	Thr Asp	Thr Phe Glu Val Asp	Met Leu Leu Tyr Ser Gly Lys Ser
143	1040	1045	1050
144	Cys Thr	Ser Val Ile Ile Asn	Asn Pro Ile Val Thr Lys Glu Glu
145	1055	1060	1065
146	Arg Asp	Ile Ser Thr Thr Tyr	His Val Thr Gln Asn Ile Asn Thr
147	1070	1075	1080
148	Val Asp	Met Gly Leu Gly Tyr	Thr Ser Asn Thr Cys Val Ala Tyr
149	1085	1090	1095
150	Val Asn	Arg Val Arg Thr Asp	Met Gly Val Arg Val Gln Asp Leu
151	1100	1105	1110
152	Phe Arg	Val Phe Pro Met Asn	Val Tyr Arg His Asp Glu Val Asp
153	1115	1120	1125
154	Arg Trp	Ile Arg His Ala Ala	Gly Val Glu Arg Pro Gln Leu Leu
155	1130	1135	1140
156	Asp Thr	Glu Thr Ile Ser Met	Leu Thr Phe Gly Ser Met Ser Glu
157	1145	1150	1155
158	Arg Asn	Ala Ala Ala Thr Val	His Gly Gln Lys Ala Ala Cys Glu
159	1160	1165	1170
160	Leu Ile	Leu Thr Pro Val Thr	Met Asp Val Asn Tyr Phe Lys Ile
161	1175	1180	1185
162	Pro Asn	Asn Pro Arg Gly Arg	Ala Ser Cys Met Leu Ala Val Asp
163	1190	1195	1200
164	Pro Tyr	Asp Thr Glu Ala Ala	Thr Lys Ala Ile Tyr Asp His Arg
165	1205	1210	1215
166	Glu Ala	Asp Ala Gln Thr Phe	Ala Ala Thr His Asn Pro Trp Ala
167	1220	1225	1230
168	Ser Gln	Ala Gly Cys Leu Ser	Asp Val Leu Tyr Asn Thr Arg His
169	1235	1240	1245
170	Arg Glu	Arg Leu Gly Tyr Asn	Ser Lys Phe Tyr Ser Pro Cys Ala
171	1250	1255	1260
172	Gln Tyr	Phe Asn Thr Glu Glu	Ile Ile Ala Ala Asn Lys Thr Leu
173	1265	1270	1275
174	Phe Lys	Thr Ile Asp Glu Tyr	Leu Leu Arg Ala Lys Asp Cys Ile
175	1280	1285	1290
176	Arg Gly	Asp Thr Asp Thr Gln	Tyr Val Cys Val Glu Gly Thr Glu
177	1295	1300	1305
178	Gln Leu	Ile Glu Asn Pro Cys	Arg Leu Thr Gln Glu Ala Leu Pro
179	1310	1315	1320
180	Ile Leu	Ser Thr Thr Thr Leu	Ala Leu Met Glu Thr Lys Leu Lys
181	1325	1330	1335
182	Gly Gly	Ala Gly Ala Phe Ala	Thr Ser Glu Thr His Phe Gly Asn
183	1340	1345	1350
184	Tyr Val	Val Gly Glu Ile Ile	Pro Leu Gln Gln Ser Met Leu Phe
185	1355	1360	1365
186	Asn Ser		
187	1370		

VERIFICATION SUMMARY DATE: 09/06/2006
PATENT APPLICATION: US/10/541,886 TIME: 14:40:38

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\09052006\J541886.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:4 M:283 W: Missing Blank Line separator, <130> field identifier
L:5 M:270 C: Current Application Number differs, Replaced Current Application No
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:5 M:283 W: Missing Blank Line separator, <160> field identifier
L:7 M:283 W: Missing Blank Line separator, <210> field identifier
L:11 M:283 W: Missing Blank Line separator, <400> field identifier

Raw Sequence Listing before editing (for reference only)



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/541,886

DATE: 08/28/2006
TIME: 10:30:24

Input Set : A:\SQL Le A 36 269.txt
Output Set: N:\CRF4\08282006\J541886.raw

2 <110> APPLICANT: Bayer AG, BHC
W--> 3 <120> TITLE OF INVENTION: Method for inhibiting the replication of herpesviruses
W--> 4 <130> FILE REFERENCE: Le A 36 269
C--> 5 <140> CURRENT APPLICATION NUMBER: US/10/541,886
C--> 5 <141> CURRENT FILING DATE: 2005-07-07
W--> 5 <160> NUMBER OF SEQ ID: 1
6 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
Corrected Diskette Needed

(pg.15)

ERRORED SEQUENCES

E--> 7 <210> SEQ ID NO: 1<211> 1370<212> PRT<213> Human cytomegalovirus
E--> 8 <211> LENGTH:
E--> 8 <212> TYPE:
E--> 8 <213> ORGANISM:
W--> 8 <400> SEQUENCE: 1
9 Met Glu Asn Trp Ser Ala Leu Glu Leu Leu Pro Lys Val Gly Ile Pro
10 1 5 10 15
11 Thr Asp Phe Leu Thr His Val Lys Thr Ser Ala Gly Glu Met Phe
12 20 25 30
13 Glu Ala Leu Arg Ile Tyr Tyr Gly Asp Asp Pro Glu Arg Tyr Asn Ile
14 35 40 45
15 His Phe Glu Ala Ile Phe Gly Thr Phe Cys Asn Arg Leu Glu Trp Val
16 50 55 60
17 Tyr Phe Leu Thr Ser Gly Leu Ala Ala Ala His Ala Ile Lys Phe
18 65 70 75 80
19 His Asp Leu Asn Lys Leu Thr Thr Gly Lys Met Leu Phe His Val Gln
20 85 90 95
21 Val Pro Arg Val Ala Ser Gly Ala Gly Leu Pro Thr Ser Arg Gln Thr
22 100 105 110
23 Thr Ile Met Val Thr Lys Tyr Ser Glu Lys Ser Pro Ile Thr Ile Pro
24 115 120 125
25 Phe Glu Leu Ser Ala Ala Cys Leu Thr Tyr Leu Arg Glu Thr Phe Glu
26 130 135 140
27 Gly Thr Ile Leu Asp Lys Ile Leu Asn Val Glu Ala Met His Thr Val
28 145 150 155 160
29 Leu Arg Ala Leu Lys Asn Thr Ala Asp Ala Met Glu Arg Gly Leu Ile
30 165 170 175
31 His Ser Phe Leu Gln Thr Leu Leu Arg Lys Ala Pro Pro Tyr Phe Val
32 180 185 190
33 Val Gln Thr Leu Val Glu Asn Ala Thr Leu Ala Arg Gln Ala Leu Asn
34 195 200 205
35 Arg Ile Gln Arg Ser Asn Ile Leu Gln Ser Phe Lys Ala Lys Met Leu

~ inserted spacing &
indentation
For each
numeric
identifier

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/541,886

DATE: 08/28/2006
TIME: 10:30:24

Input Set : A:\SQL Le A 36 269.txt
Output Set: N:\CRF4\08282006\J541886.raw

36	210	215	220													
37	Ala	Thr	Leu	Phe	Leu	Leu	Asn	Arg	Thr	Arg	Asp	Arg	Asp	Tyr	Val	Leu
38	225			230				235								240
39	Lys	Phe	Leu	Thr	Arg	Leu	Ala	Glu	Ala	Ala	Thr	Asp	Ser	Ile	Leu	Asp
40				245				250								255
41	Asn	Pro	Thr	Thr	Tyr	Thr	Ser	Ser	Gly	Ala	Lys	Ile	Ser	Gly	Val	
42				260				265								270
43	Met	Val	Ser	Thr	Ala	Asn	Val	Met	Gln	Ile	Ile	Met	Ser	Leu	Leu	Ser
44		275					280								285	
45	Ser	His	Ile	Thr	Lys	Glu	Thr	Val	Ser	Ala	Pro	Ala	Thr	Tyr	Gly	Asn
46		290				295									300	
47	Phe	Val	Leu	Ser	Pro	Glu	Asn	Ala	Val	Thr	Ala	Ile	Ser	Tyr	His	Ser
48	305				310				315							320
49	Ile	Leu	Ala	Asp	Phe	Asn	Ser	Tyr	Lys	Ala	His	Leu	Thr	Ser	Gly	Gln
50				325				330							335	
51	Pro	His	Leu	Pro	Asn	Asp	Ser	Leu	Ser	Gln	Ala	Gly	Ala	His	Ser	Leu
52		340				345									350	
53	Thr	Pro	Leu	Ser	Met	Asp	Val	Ile	Arg	Leu	Gly	Glu	Lys	Thr	Val	Ile
54		355				360									365	
55	Met	Glu	Asn	Leu	Arg	Arg	Val	Tyr	Lys	Asn	Thr	Asp	Thr	Lys	Asp	Pro
56		370				375									380	
57	Leu	Glu	Arg	Asn	Val	Asp	Leu	Thr	Phe	Phe	Phe	Pro	Val	Gly	Leu	Tyr
58	385				390				395							400
59	Leu	Pro	Glu	Asp	Arg	Gly	Tyr	Thr	Thr	Val	Glu	Ser	Lys	Val	Lys	Leu
60		405				410									415	
61	Asn	Asp	Thr	Val	Arg	Asn	Ala	Leu	Pro	Thr	Thr	Ala	Tyr	Leu	Leu	Asn
62		420				425									430	
63	Arg	Asp	Arg	Ala	Val	Gln	Lys	Ile	Asp	Phe	Val	Asp	Ala	Leu	Lys	Thr
64		435				440									445	
65	Leu	Cys	His	Pro	Val	Leu	His	Glu	Pro	Ala	Pro	Cys	Leu	Gln	Thr	Phe
66		450				455									460	
67	Thr	Glu	Arg	Gly	Pro	Pro	Ser	Glu	Pro	Ala	Met	Gln	Arg	Leu	Leu	Glu
68	465				470				475						480	
69	Cys	Arg	Phe	Gln	Gln	Glu	Pro	Met	Gly	Gly	Ala	Ala	Arg	Arg	Ile	Pro
70		485				490									495	
71	His	Phe	Tyr	Arg	Val	Arg	Arg	Glu	Val	Pro	Arg	Thr	Val	Asn	Glu	Met
72		500				505									510	
73	Lys	Gln	Asp	Phe	Val	Val	Thr	Asp	Phe	Tyr	Lys	Val	Gly	Asn	Ile	Thr
74		515				520									525	
75	Leu	Tyr	Thr	Glu	Leu	His	Pro	Phe	Phe	Asp	Phe	Thr	His	Cys	Gln	Glu
76		530				535									540	
77	Asn	Ser	Glu	Thr	Val	Ala	Leu	Cys	Thr	Pro	Arg	Ile	Val	Ile	Gly	Asn
78	545				550				555						560	
79	Leu	Pro	Asp	Gly	Leu	Ala	Pro	Gly	Pro	Phe	His	Glu	Leu	Arg	Thr	Trp
80		565				570									575	
81	Glu	Ile	Met	Glu	His	Met	Arg	Leu	Arg	Pro	Pro	Pro	Asp	Tyr	Glu	Glu
82		580				585									590	
83	Thr	Leu	Arg	Leu	Phe	Lys	Thr	Thr	Val	Thr	Ser	Pro	Asn	Tyr	Pro	Glu
84		595				600									605	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/541,886

DATE: 08/28/2006
TIME: 10:30:24

Input Set : A:\SQL Le A 36 269.txt
Output Set: N:\CRF4\08282006\J541886.raw

85 Leu Cys Tyr Leu Val Asp Val Leu Val His Gly Asn Val Asp Ala Phe
86 610 615 620
87 Leu Leu Ile Arg Thr Phe Val Ala Arg Cys Ile Val Asn Met Phe His
88 625 630 635 640
89 Thr Arg Gln Leu Leu Val Phe Ala His Ser Tyr Ala Leu Val Thr Leu
90 645 650 655
91 Ile Ala Glu His Leu Ala Asp Gly Ala Leu Pro Pro Gln Leu Leu Phe
92 660 665 670
93 His Tyr Arg Asn Leu Val Ala Val Leu Arg Leu Val Thr Arg Ile Ser
94 675 680 685
95 Ala Leu Pro Gly Leu Asn Asn Gly Gln Leu Ala Glu Glu Pro Leu Ser
96 690 695 700
97 Ala Tyr Val Asn Ala Leu His Asp His Arg Leu Trp Pro Pro Phe Val
98 705 710 715 720
99 Thr His Leu Pro Arg Asn Met Glu Gly Val Gln Val Val Ala Asp Arg
100 725 730 735
101 Gln Pro Leu Asn Pro Ala Asn Ile Glu Ala Arg His His Gly Val Ser
102 740 745 750
103 Asp Val Pro Arg Leu Gly Ala Met Asp Ala Asp Glu Pro Leu Phe Val
104 755 760 765
105 Asp Asp Tyr Arg Ala Thr Asp Asp Glu Trp Thr Leu Gln Lys Val Phe
106 770 775 780
107 Tyr Leu Cys Leu Met Pro Ala Met Thr Asn Asn Arg Ala Cys Gly Leu
108 785 790 795 800
109 Gly Leu Asn Leu Lys Thr Leu Leu Val Asp Leu Phe Tyr Arg Pro Ala
110 805 810 815
111 Phe Leu Leu Met Pro Ala Ala Thr Ala Val Ser Thr Ser Gly Thr Thr
112 820 825 830
113 Ser Lys Glu Ser Thr Ser Gly Val Thr Pro Glu Asp Ser Ile Ala Ala
114 835 840 845
115 Gln Arg Gln Ala Val Gly Glu Met Leu Thr Glu Leu Val Glu Asp Val
116 850 855 860
117 Ala Thr Asp Ala His Thr Pro Leu Leu Gln Ala Cys Arg Glu Leu Phe
118 865 870 875 880
119 Leu Ala Val Gln Phe Val Gly Glu His Val Lys Val Leu Glu Val Arg
120 885 890 895
121 Ala Pro Leu Asp His Ala Gln Arg Gln Gly Leu Pro Asp Phe Ile Ser
122 900 905 910
123 Arg Gln His Val Leu Tyr Asn Gly Cys Cys Val Val Thr Ala Pro Lys
124 915 920 925
125 Thr Leu Ile Glu Tyr Ser Leu Pro Val Pro Phe His Arg Phe Tyr Ser
126 930 935 940
127 Asn Pro Thr Ile Cys Ala Ala Leu Ser Asp Asp Ile Lys Arg Tyr Val
128 945 950 955 960
129 Thr Glu Phe Pro His Tyr His Arg His Asp Gly Gly Phe Pro Leu Pro
130 965 970 975
131 Thr Ala Phe Ala His Glu Tyr His Asn Trp Leu Arg Ser Pro Phe Ser
132 980 985 990
133 Arg Tyr Ser Ala Thr Cys Pro Asn Val Leu His Ser Val Met Thr Leu

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Input Set : A:\SQL Le A 36 269.txt
Output Set: N:\CRF4\08282006\J541886.raw

134	995	1000	1005
135	Ala Ala	Met Leu Tyr Lys Ile Ser Pro Val Ser Leu Val Leu Gln	
136	1010	1015	1020
137	Thr Lys	Ala His Ile His Pro Gly Phe Ala Leu Thr Ala Val Arg	
138	1025	1030	1035
139	Thr Asp	Thr Phe Glu Val Asp Met Leu Leu Tyr Ser Gly Lys Ser	
140	1040	1045	1050
141	Cys Thr	Ser Val Ile Ile Asn Asn Pro Ile Val Thr Lys Glu Glu	
142	1055	1060	1065
143	Arg Asp	Ile Ser Thr Thr Tyr His Val Thr Gln Asn Ile Asn Thr	
144	1070	1075	1080
145	Val Asp	Met Gly Leu Gly Tyr Thr Ser Asn Thr Cys Val Ala Tyr	
146	1085	1090	1095
147	Val Asn	Arg Val Arg Thr Asp Met Gly Val Arg Val Gln Asp Leu	
148	1100	1105	1110
149	Phe Arg	Val Phe Pro Met Asn Val Tyr Arg His Asp Glu Val Asp	
150	1115	1120	1125
151	Arg Trp	Ile Arg His Ala Ala Gly Val Glu Arg Pro Gln Leu Leu	
152	1130	1135	1140
153	Asp Thr	Glu Thr Ile Ser Met Leu Thr Phe Gly Ser Met Ser Glu	
154	1145	1150	1155
155	Arg Asn	Ala Ala Ala Thr Val His Gly Gln Lys Ala Ala Cys Glu	
156	1160	1165	1170
157	Leu Ile	Leu Thr Pro Val Thr Met Asp Val Asn Tyr Phe Lys Ile	
158	1175	1180	1185
159	Pro Asn	Asn Pro Arg Gly Arg Ala Ser Cys Met Leu Ala Val Asp	
160	1190	1195	1200
161	Pro Tyr	Asp Thr Glu Ala Ala Thr Lys Ala Ile Tyr Asp His Arg	
162	1205	1210	1215
163	Glu Ala	Asp Ala Gln Thr Phe Ala Ala Thr His Asn Pro Trp Ala	
164	1220	1225	1230
165	Ser Gln	Ala Gly Cys Leu Ser Asp Val Leu Tyr Asn Thr Arg His	
166	1235	1240	1245
167	Arg Glu	Arg Leu Gly Tyr Asn Ser Lys Phe Tyr Ser Pro Cys Ala	
168	1250	1255	1260
169	Gln Tyr	Phe Asn Thr Glu Glu Ile Ile Ala Ala Asn Lys Thr Leu	
170	1265	1270	1275
171	Phe Lys	Thr Ile Asp Glu Tyr Leu Leu Arg Ala Lys Asp Cys Ile	
172	1280	1285	1290
173	Arg Gly	Asp Thr Asp Thr Gln Tyr Val Cys Val Glu Gly Thr Glu	
174	1295	1300	1305
175	Gln Leu	Ile Glu Asn Pro Cys Arg Leu Thr Gln Glu Ala Leu Pro	
176	1310	1315	1320
177	Ile Leu	Ser Thr Thr Thr Leu Ala Leu Met Glu Thr Lys Leu Lys	
178	1325	1330	1335
179	Gly Gly	Ala Gly Ala Phe Ala Thr Ser Glu Thr His Phe Gly Asn	
180	1340	1345	1350
181	Tyr Val	Val Gly Glu Ile Ile Pro Leu Gln Gln Ser Met Leu Phe	
182	1355	1360	1365

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,886

DATE: 08/28/2006

TIME: 10:30:24

Input Set : A:\SQL Le A 36 269.txt

Output Set: N:\CRF4\08282006\J541886.raw

183 Asn Ser
184 1370
186 Le A 36 269-Foreign countries
188 - 5 -
191 Le A 36 269
194 - 1/1 -

deleted

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/541,886

DATE: 08/28/2006

TIME: 10:30:25

Input Set : A:\SQL Le A 36 269.txt

Output Set: N:\CRF4\08282006\J541886.raw

L:3 M:283 W: Missing Blank Line separator, <120> field identifier
L:4 M:283 W: Missing Blank Line separator, <130> field identifier
L:5 M:270 C: Current Application Number differs, Replaced Current Application No
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:5 M:283 W: Missing Blank Line separator, <160> field identifier
L:7 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 1<211> 1370<212>
PRT<213> Human cytomegalovirus
L:7 M:283 W: Missing Blank Line separator, <210> field identifier
L:8 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:8 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:8 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:8 M:283 W: Missing Blank Line separator, <400> field identifier